

γ physics from E787-E949 data on tape

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- continue the search for $K^+ \rightarrow \pi^+ \pi^0 \nu \bar{\nu}$
with Kp22's in E787-E949 ($> \times 5$)
- π^0 rare decays: tagged- π^0 's from $K^+ \rightarrow \pi^+ \pi^0$:
 - $\pi^0 \rightarrow \gamma \nu \bar{\nu}$: elmag form factor of ν
with 1γ in E787-9697 and γ in E949-02March
 - $\pi^0 \rightarrow \gamma\gamma\gamma$: Non-commutative QED
 - $\pi^0 \rightarrow \nu \bar{\nu}$: γ inefficiency of the detector

$K^- \rightarrow \pi^- \pi^0 P$, **P**: pseudoscalar sGoldstino

$(2.0 - 0.5) \times 10^{-5} @ M_P = 0 - 190 \text{ MeV}/c^2$

[hep-ex/0212060](#)

